

Name _____

Investigating Mass, Melting, and Freezing
Lab 8

1. Write the procedure you will follow to investigate what happens to the mass of ice when it melts. Number the steps of the procedure. Be sure to include the details of the measurements of mass you need to make.

2. Write the procedure agreed upon by the class.

3. Fill in Table 1

Table 1: Determining a Change in Mass

Mass of Ice and Bottle	Mass of Water and Bottle	Change in Mass (+ or -)

4. What happened to the mass of the ice when it melted?

5. Why did we use a sealed container for this experiment?

6. Do you think it would be a good idea to repeat this experiment?
EXPLAIN your answer.

CONTINUE ONTO NEXT PAGE TO INVESTIGATE MASS AND FREEZING.

7. Write the procedure you will follow to investigate what happens to the mass of water when it freezes. Number the steps of the procedure. Be sure to include the details of the measurements of mass you need to make.

8. Write the procedure agreed upon by the class.

9. Fill in Table 2

Table 2: Determining a Change in Mass

Mass of Water and Bottle	Mass of Ice and Bottle	Change in Mass (+ or -)

10. What happened to the mass of the water when it froze?